



NOTES:

1. Grates are to be made of cast iron with a natural finish.
2. Castings will be 3/4 inch thick in 2 pieces.
3. The center opening shall be 16 inch diameter.
4. Slotted penetrations shall be no greater than 3/8 inch wide.
5. An 18 inch deep root barrier shall be placed at both sides and along sidewalk face.
6. Provide two, 3 inch diameter ADS perforated pipe watering troughs filled with pea gravel.
7. Do not undermine curb or sidewalk when excavating.
8. ADA clearance shall be 5 feet as shown, unless otherwise permitted by the City Engineer pursuant to a design modification under Section 145 of the *Engineering Design Manual*.



**PUBLIC WORKS
DEPARTMENT**

**CURB TIGHT SIDEWALK
TREEWELL WITH GRATE**

CITY ENGINEER
Peter Arellano, P.E.

DATE
4 - 20 - 11

DRAWN BY
JR - CPD - KDU

DRAWING NO.
241